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Fast CCD X-ray Detector Collaborations between ANL and LBNL

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This poster presents an update on the fast CCD (FCCD) detector collaborations between the Advanced Photon Source (APS) at Argonne National Laboratory (ANL) and the Advanced Light Source (ALS) at Lawrence Berkeley National Laboratory.

The detector collaboration now consists of the development of two different x-ray detectors. The initial collaboration developed two 480 x 480 fast CCD detector, with a nearly column parallel readout. These detectors are in use at the APS and ALS with plans for it to be tested at the Linac Coherent Light Source. The poster will present improvements made to these detectors based on inputs from beam line scientist and users. This poster will also describe the next phase of this collaboration, which is to develop a 1-K frame transfer FCCD detector.

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